User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:09:15

Sample: AE00278
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:08 Ended: 1/10/02 16:08 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		123		5.0

Comments for Sample AE00278 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:10:04

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:28 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1721386	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	7346292	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3874970	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	6684716	20.00	ug/L	-0.03
38) Chrysene-d12	30.50	240	6201979	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	4633032	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	650387	6.16	ug/L	0.00
Spiked Amount 5.000			Recovery = 123.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	18898	0.26	ug/L #	12
3) bis (2-Chloroethyl) ether	9.05	93	5001	Below Cal	#	9
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis (1-Chloropropa	0.00	45	0	N.D.		
8) N-nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis (2-Chloroethoxy) metha	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	17.88	163	25220	0.10	ug/L	88
21) 2,6-Dinitrotoluene	18.34	165	498461	9.99	ug/L #	17
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	20.00	149	74490	0.30	ug/L	95
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.46	77	5574	0.02	ug/L	81
30) N-nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.69	178	16633	0.05	ug/L	89
34) Anthracene	22.82	178	12640	0.04	ug/L	89

(#) = qualifier out of range (m) = manual integration

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Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:28 2002 Quant Results File: SCAN508.RES

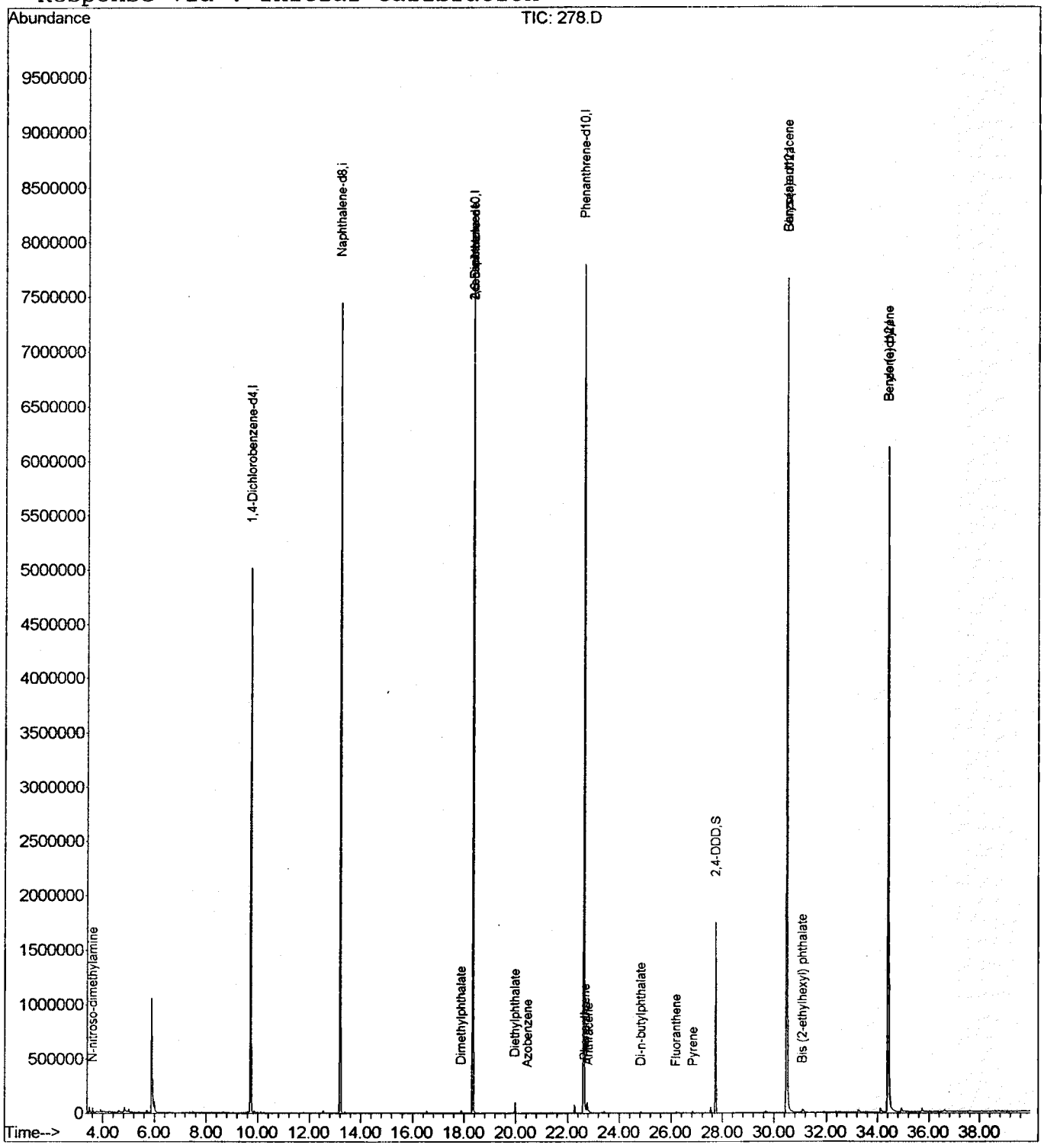
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	13188	0.03 ug/L #	87
36) Fluoranthene	26.21	202	11303	0.03 ug/L	94
39) Pyrene	26.85	202	14202	0.03 ug/L	98
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	30.50	228	18216	0.05 ug/L #	73
42) Bis (2-ethylhexyl) phthala	31.11	149	37270	0.67 ug/L	95
43) Chrysene	30.50	228	18216	0.05 ug/L #	70
45) Di-n-octylphthalate	0.00	149	0	N.D.	
46) Benzo (b) fluoranthene	0.00	252	0	N.D.	
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	34.42	252	16687	0.06 ug/L #	1
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

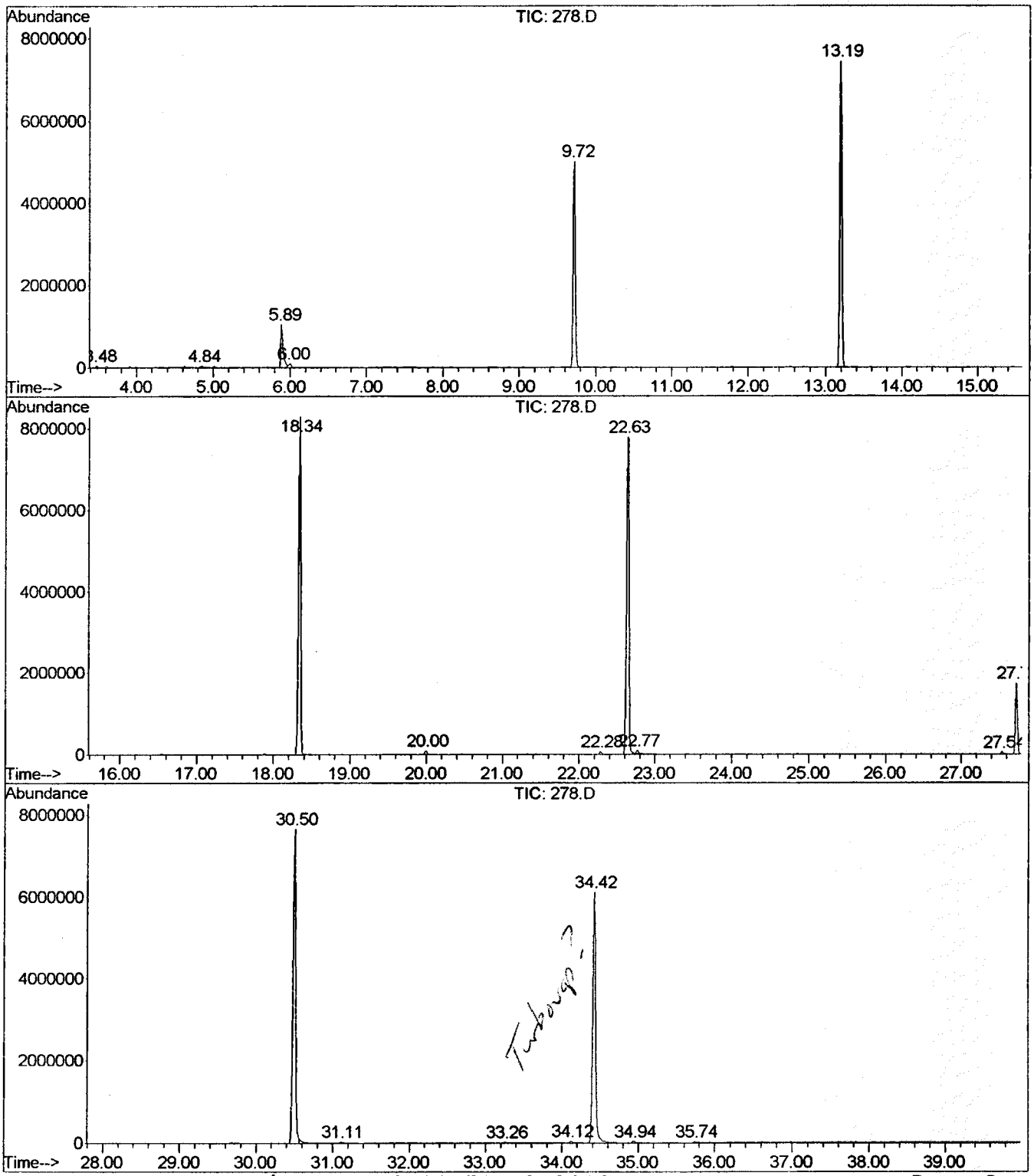
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.476	7	9	17	rVB	56155	90819	0.50%	0.092%
2	4.835	125	128	135	rBV2	40221	106061	0.58%	0.108%
3	5.885	217	220	227	rVV	1056539	2186351	12.00%	2.221%
4	6.000	227	230	243	rVB	105631	287362	1.58%	0.292%
5	9.722	551	556	561	rVV	5011857	9836660	53.99%	9.990%
6	13.192	855	860	865	rBV	7441560	14038173	77.06%	14.258%
7	18.341	1305	1311	1315	rBV	8293449	15882590	87.18%	16.131%
8	19.997	1451	1456	1461	rVB	99726	195346	1.07%	0.198%
9	22.280	1653	1656	1661	rVB	75016	130434	0.72%	0.132%
10	22.634	1681	1687	1693	rBV2	7794735	17729480	97.32%	18.006%
11	22.771	1695	1699	1703	rVB	76411	125295	0.69%	0.127%
12	27.543	2111	2117	2121	rBV	51308	109947	0.60%	0.112%
13	27.726	2127	2133	2139	rBV	1748497	3162819	17.36%	3.212%
14	30.500	2369	2376	2381	rBV	7664266	18218068	100.00%	18.503%
15	31.105	2425	2429	2435	rVV2	28493	91811	0.50%	0.093%
16	33.263	2613	2618	2627	rBV7	25608	104235	0.57%	0.106%
17	34.119	2687	2693	2709	rBV3	42992	182977	1.00%	0.186%
18	34.416	2713	2719	2745	rVV2	6111383	15784485	86.64%	16.031%
19	34.941	2761	2765	2773	rBV2	33085	110239	0.61%	0.112%
20	35.741	2831	2835	2845	rBV2	29112	88498	0.49%	0.090%

Sum of corrected areas: 98461650

File : C:\MSDCHEM\1\5973N\02JAN09\278.D
Operator :
Acquired : 9 Jan 2002 7:50 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

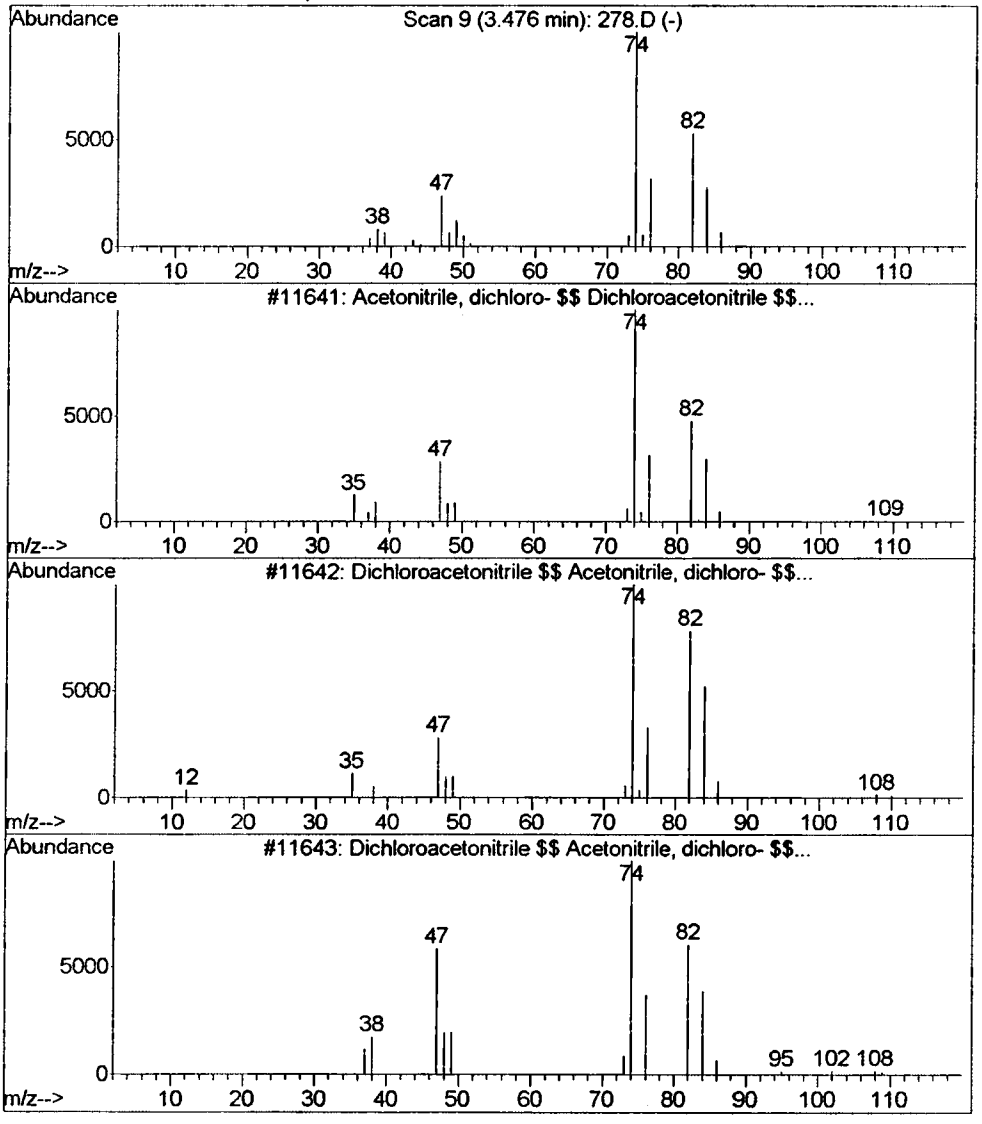
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

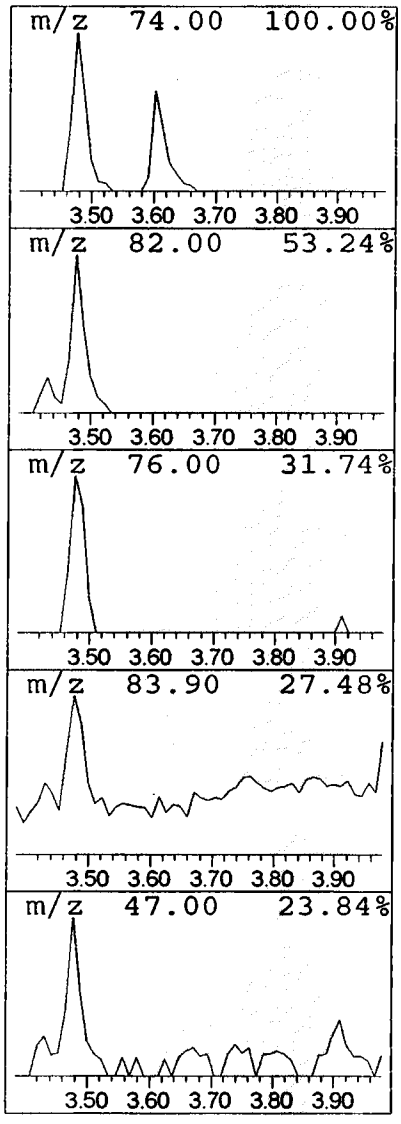
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.18 ug/L	90819	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	90
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	35
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	17





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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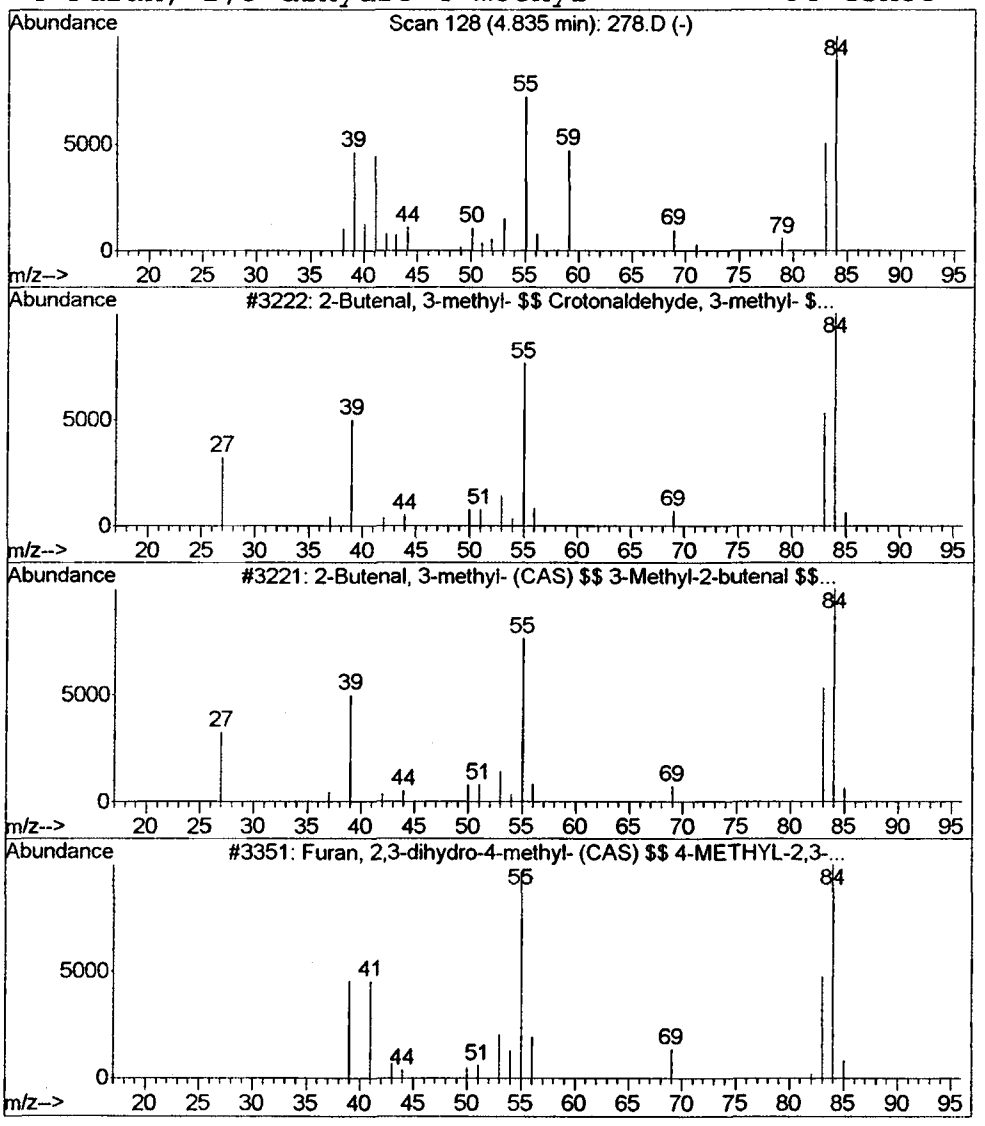
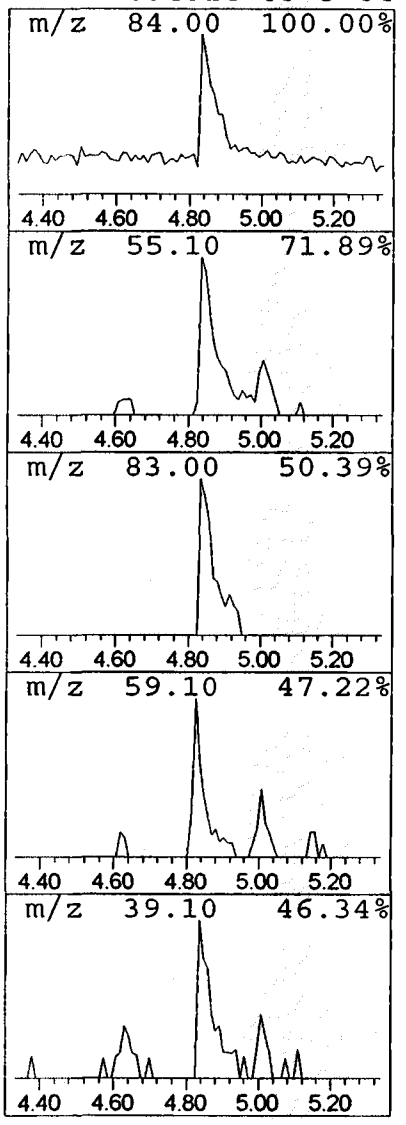
Peak Number 2 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	0.22 ug/L	106061	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	74
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	74
3	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	68
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	64





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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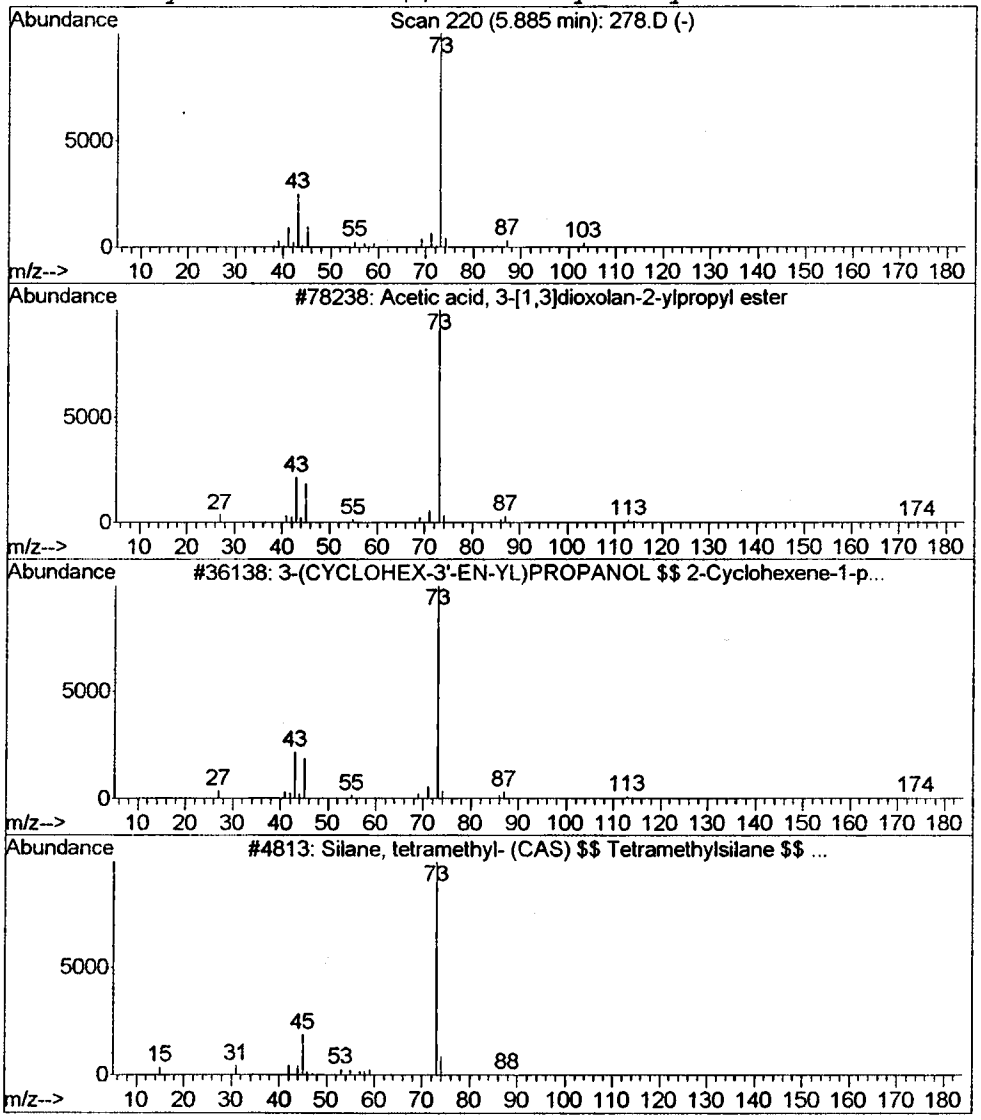
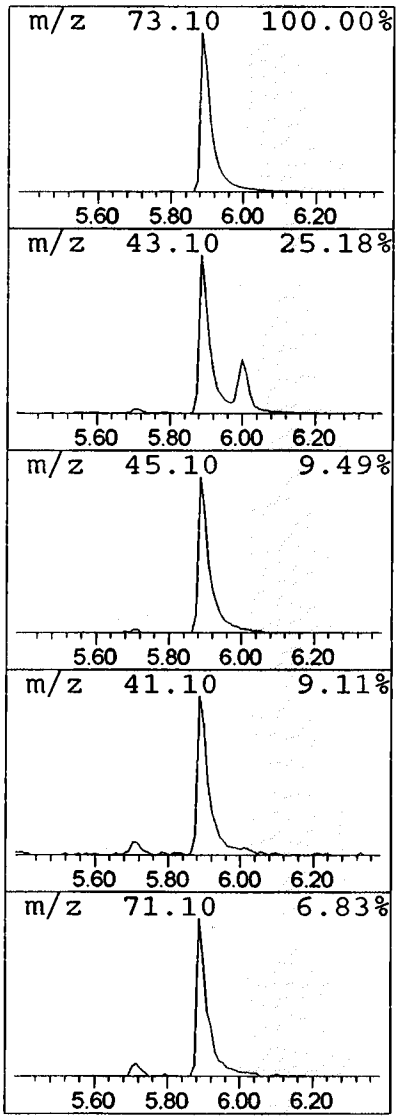
Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.45 ug/L	2186350	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	32
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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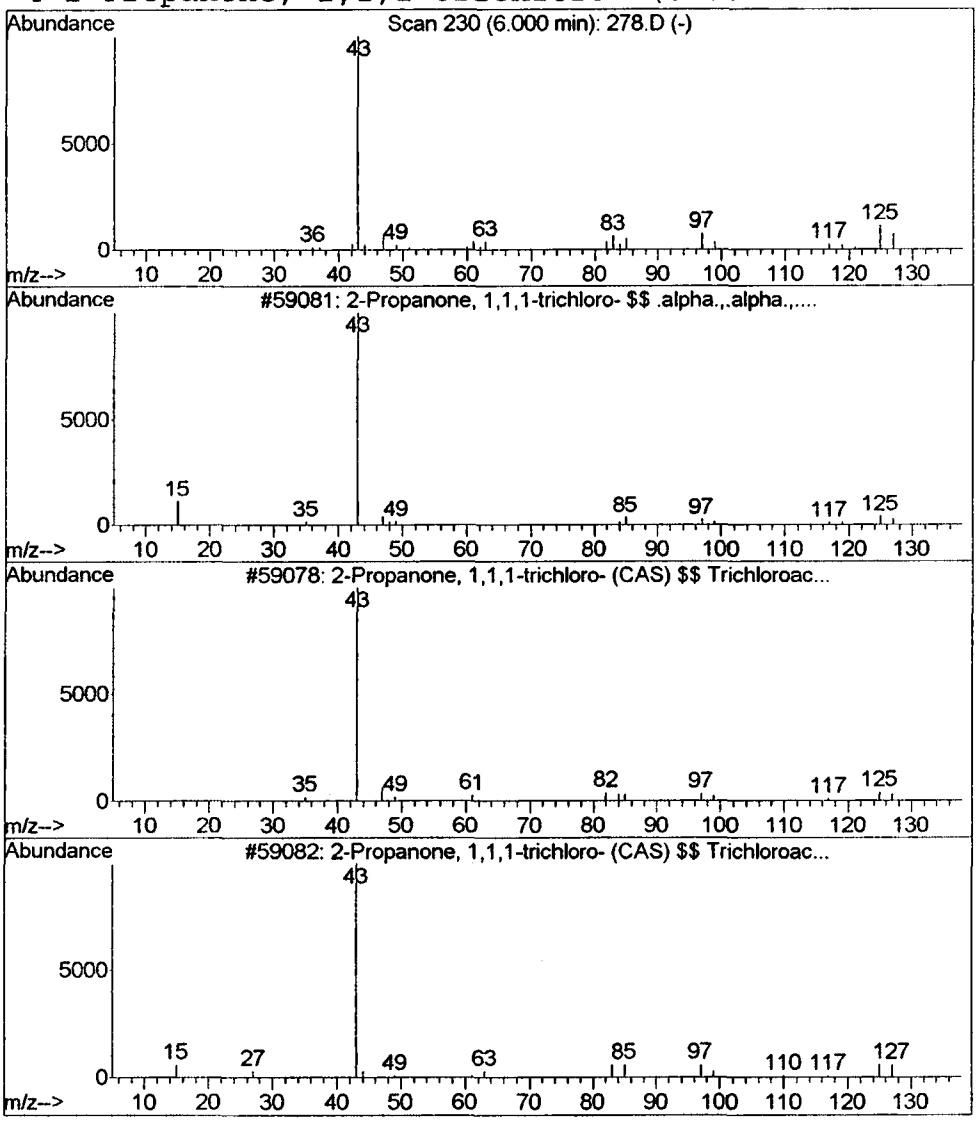
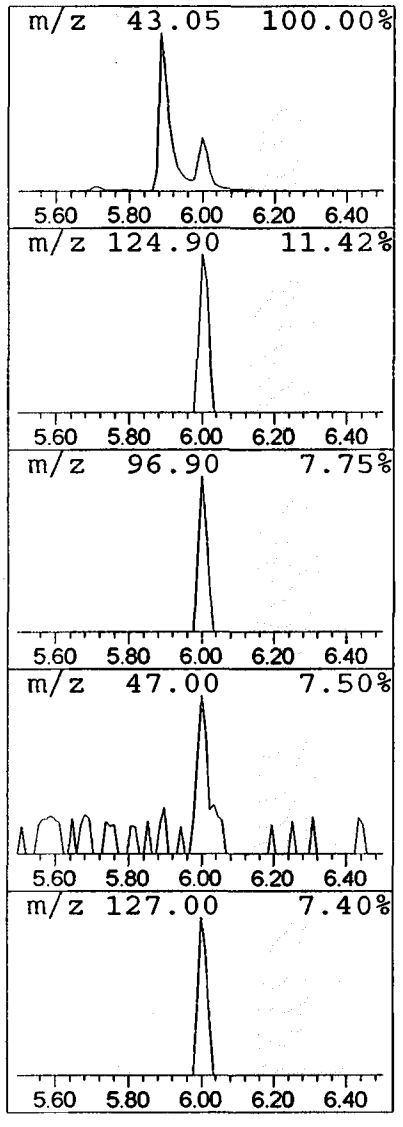
Peak Number 4 2-Propanone, 1,1,1-trichlor... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.58 ug/L	287362	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	72
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	64
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	42
4	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	40





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Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D              Vial: 3
Acq On    :  9 Jan 2002    7:50 pm                    Operator:
Sample    : 508 scan ext 1/7                          Inst    : Instrumen
Misc      : January 9, 2002                           Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
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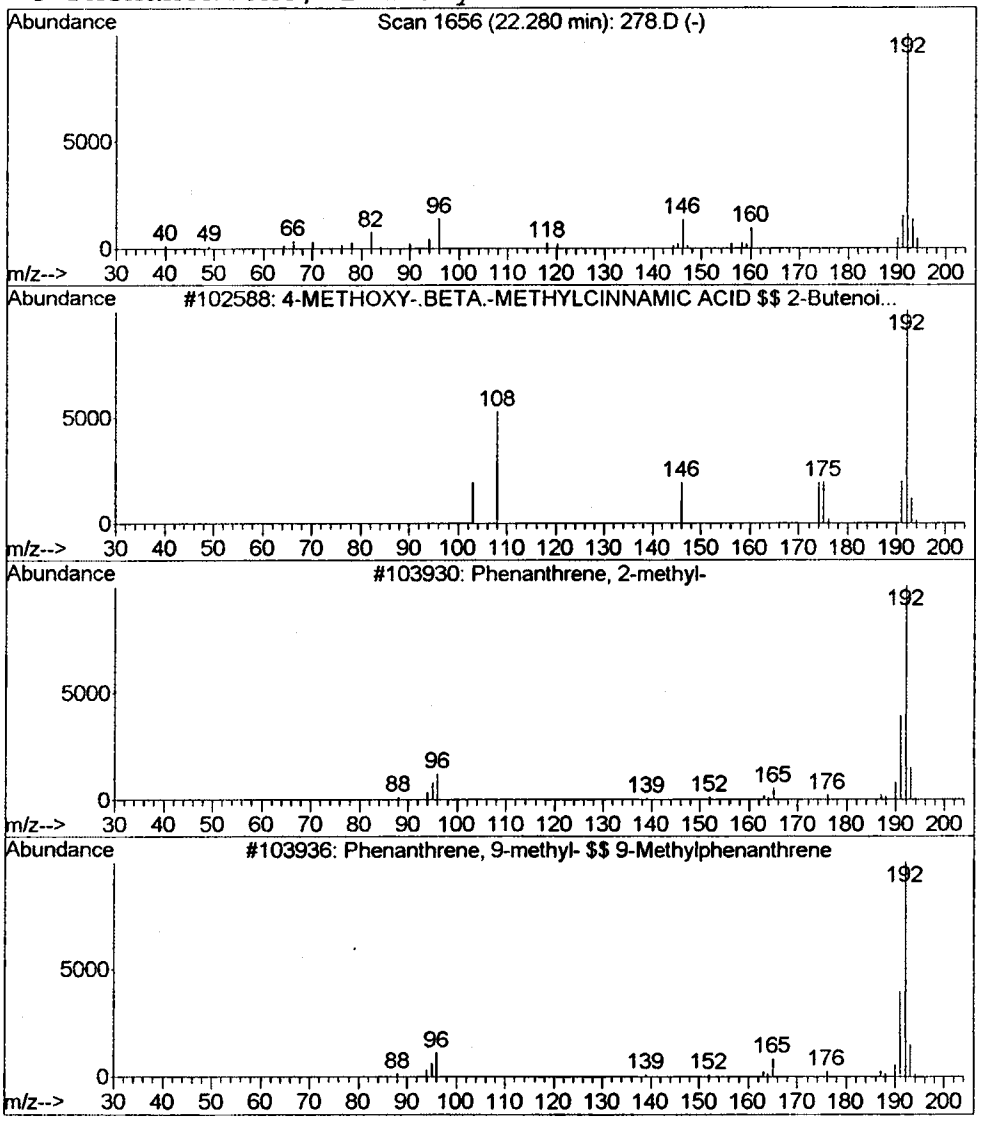
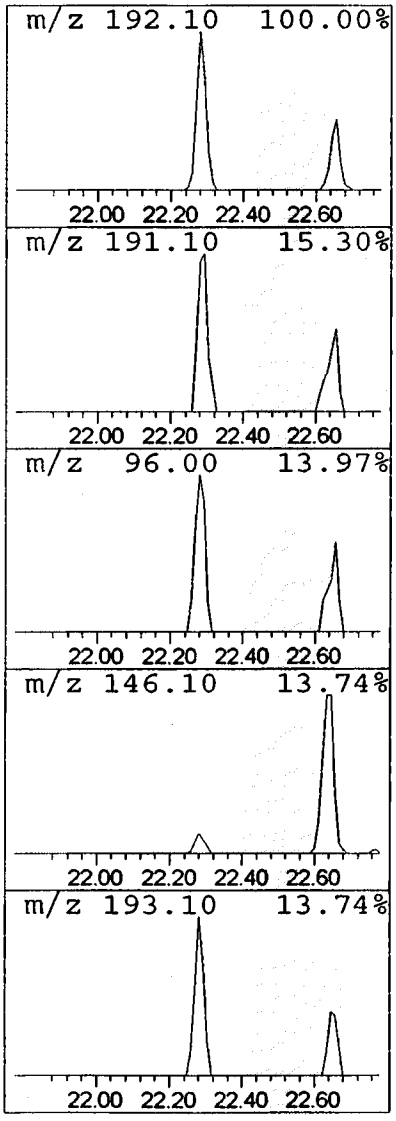
Peak Number 5 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	130434	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
3	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	59





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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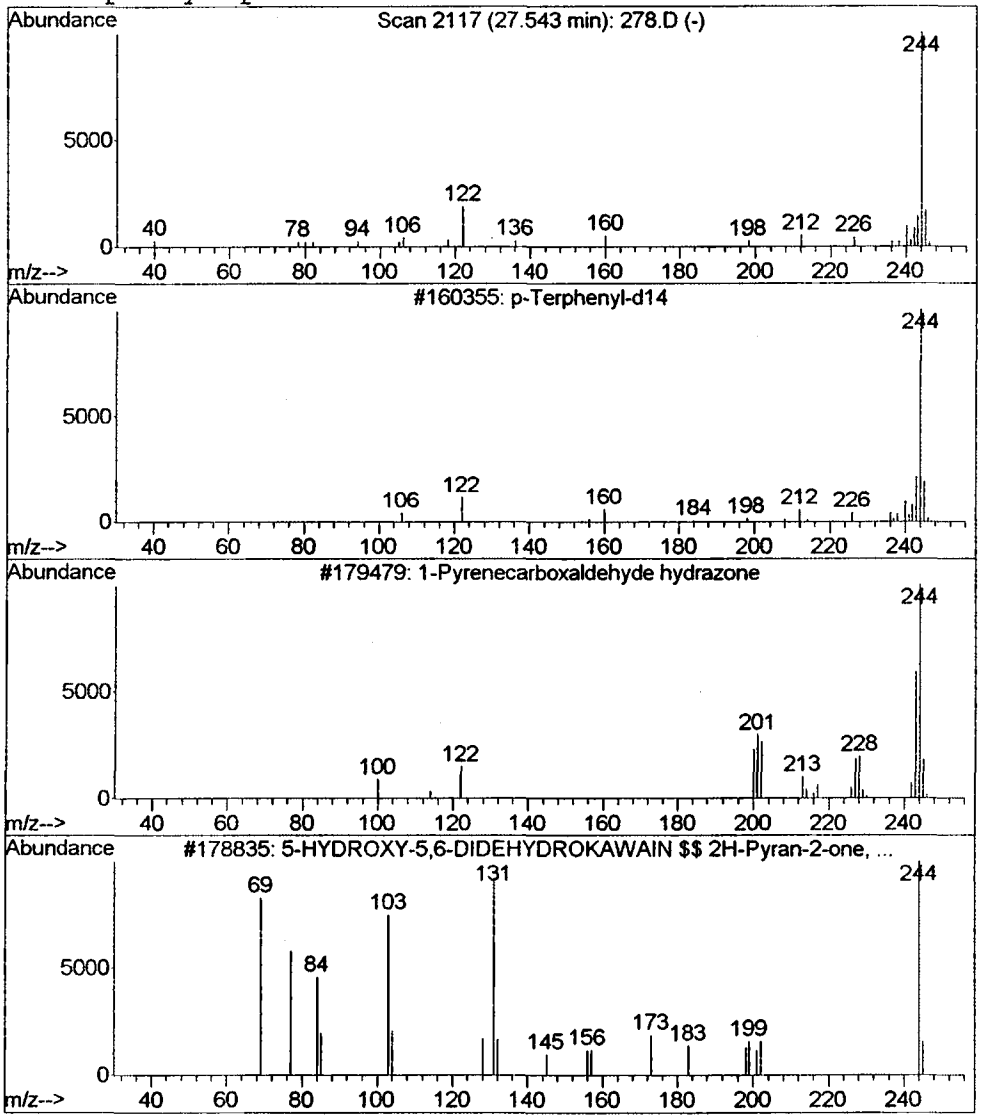
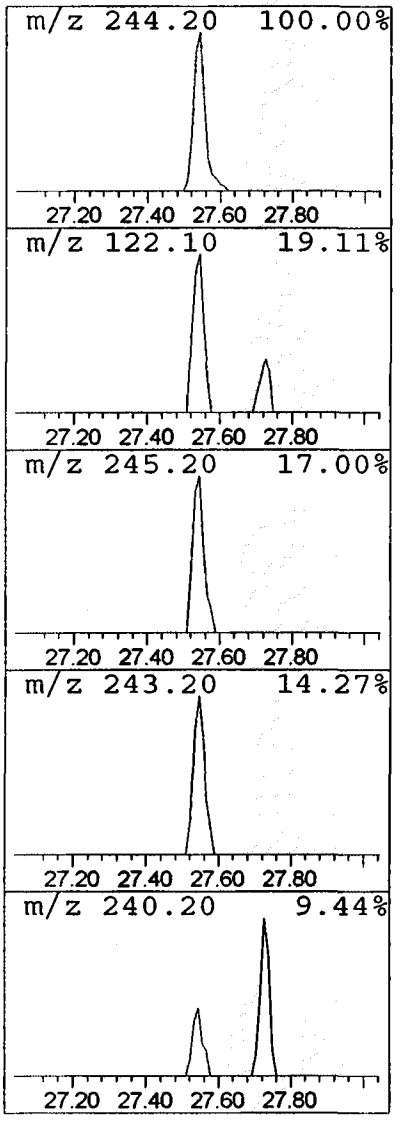
Peak Number 6 p-Terphenyl-d14 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.54	0.12 ug/L	109947	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Terphenyl-d14	244	C18D14	001718-51-0	72
2	1-Pyrenecarboxaldehyde hydrazone	244	C17H12N2	076465-53-7	64
3	5-HYDROXY-5,6-DIDEHYDROKAWAIN $$...	244	C14H12O4	060037-36-7	60
4	1-phenyl-perimidine	244	C17H12N2	000000-00-0	59





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

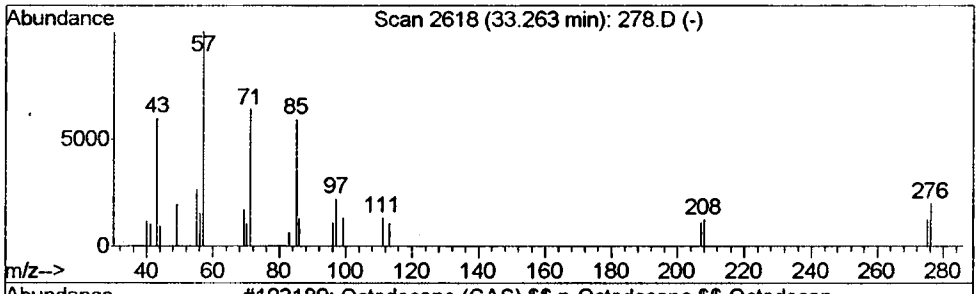
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

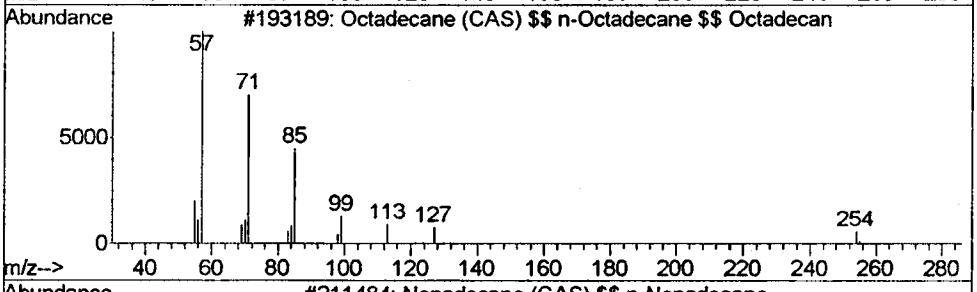
****

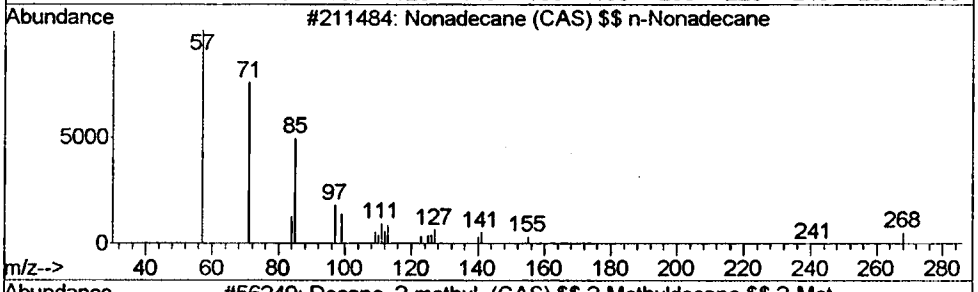
Peak Number 7 Octadecane (CAS) $$ n-Octad... Concentration Rank 8

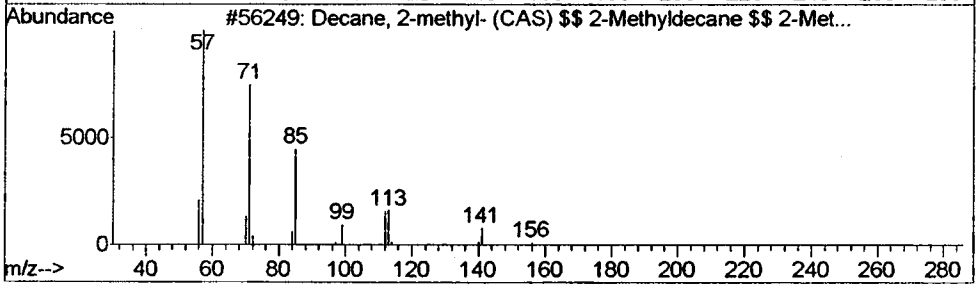
R.T.	EstConc	Area	Relative to ISTD	R.T.
33.26	0.13 ug/L	104235	Perylene-d12	34.42

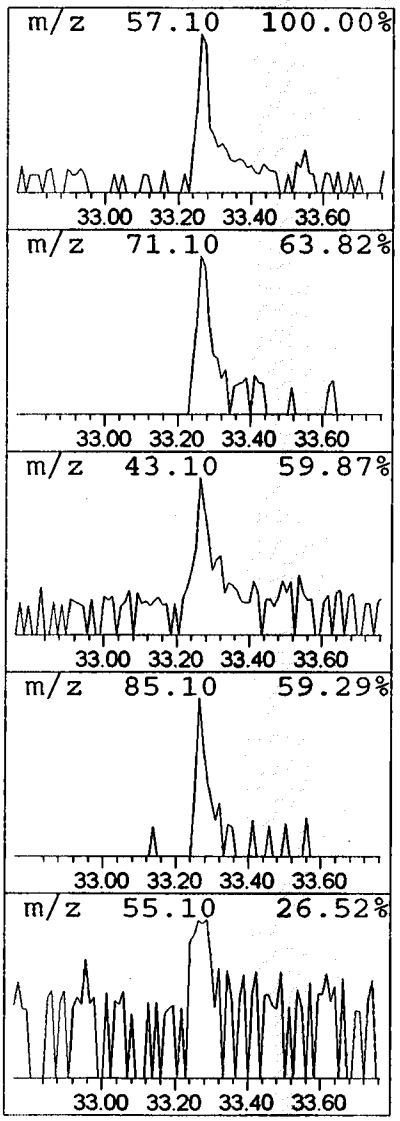
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane (CAS) $$ n-Octadecane...	254	C18H38	000593-45-3	38
2	Nonadecane (CAS) $$ n-Nonadecane	268	C19H40	000629-92-5	27
3	Decane, 2-methyl- (CAS) $$ 2-Met...	156	C11H24	006975-98-0	27
4	Octadecane	254	C18H38	000593-45-3	22











Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

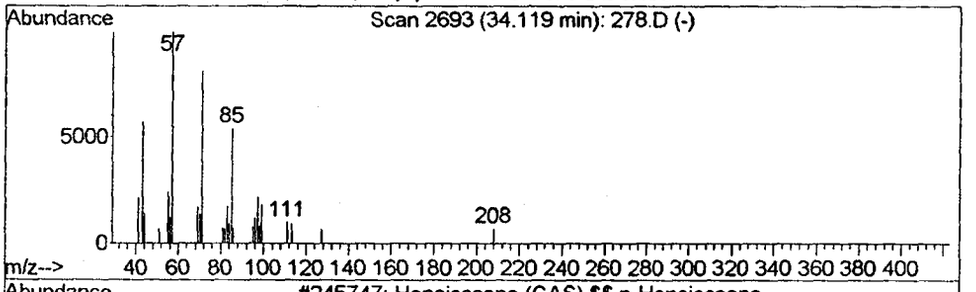
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

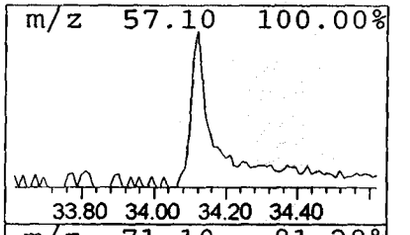
****

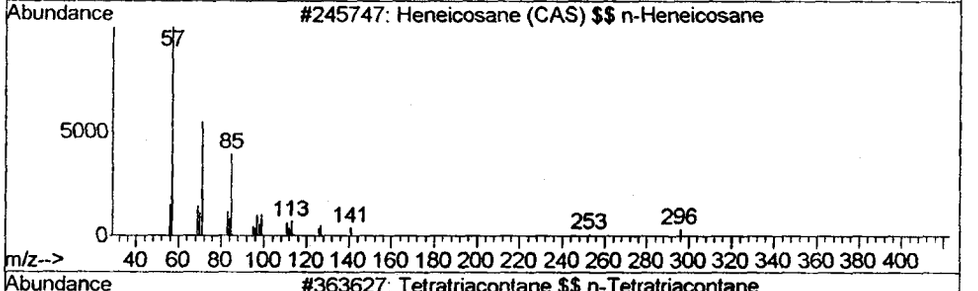
Peak Number 8 Heneicosane (CAS) $$ n-Hene... Concentration Rank 3

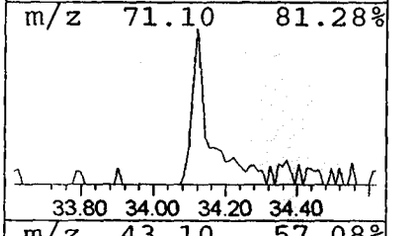
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.12	0.23 ug/L	182977	Perylene-d12	34.42

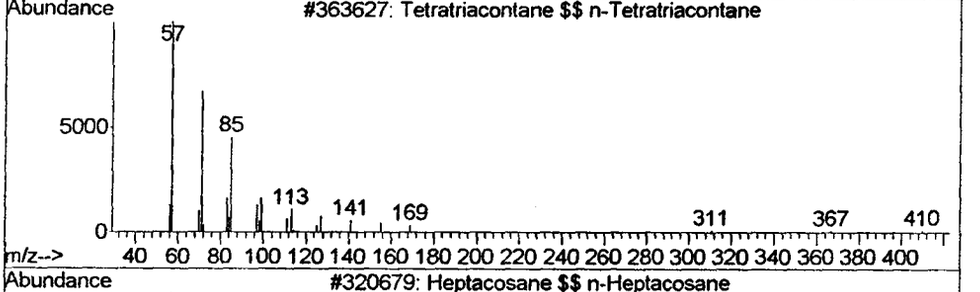
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane (CAS) $$ n-Heneicosane	296	C21H44	000629-94-7	86
2	Tetratriacontane $$ n-Tetratriac...	479	C34H70	014167-59-0	80
3	Heptacosane $$ n-Heptacosane	380	C27H56	000593-49-7	80
4	Octacosane (CAS) $$ n-Octacosane	394	C28H58	000630-02-4	80

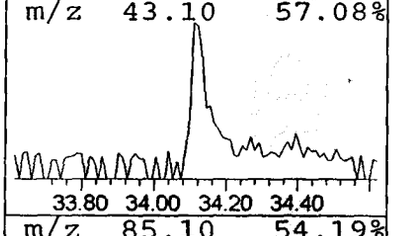


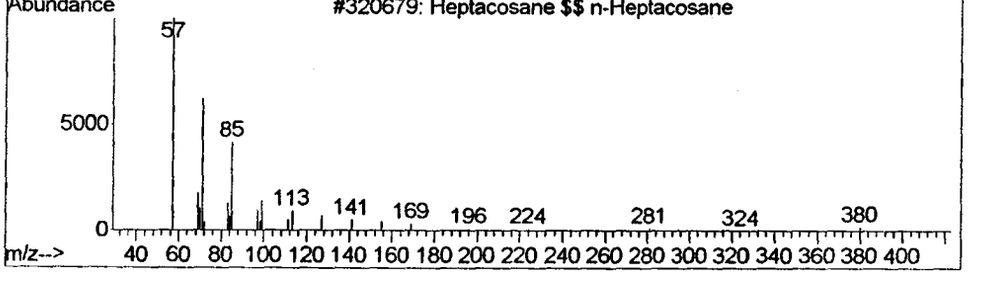


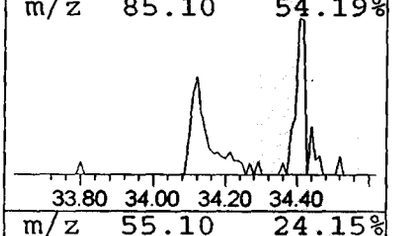


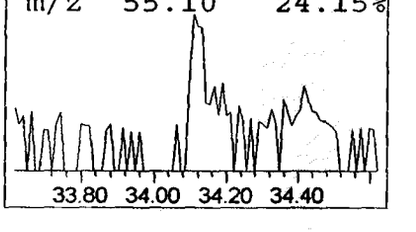












Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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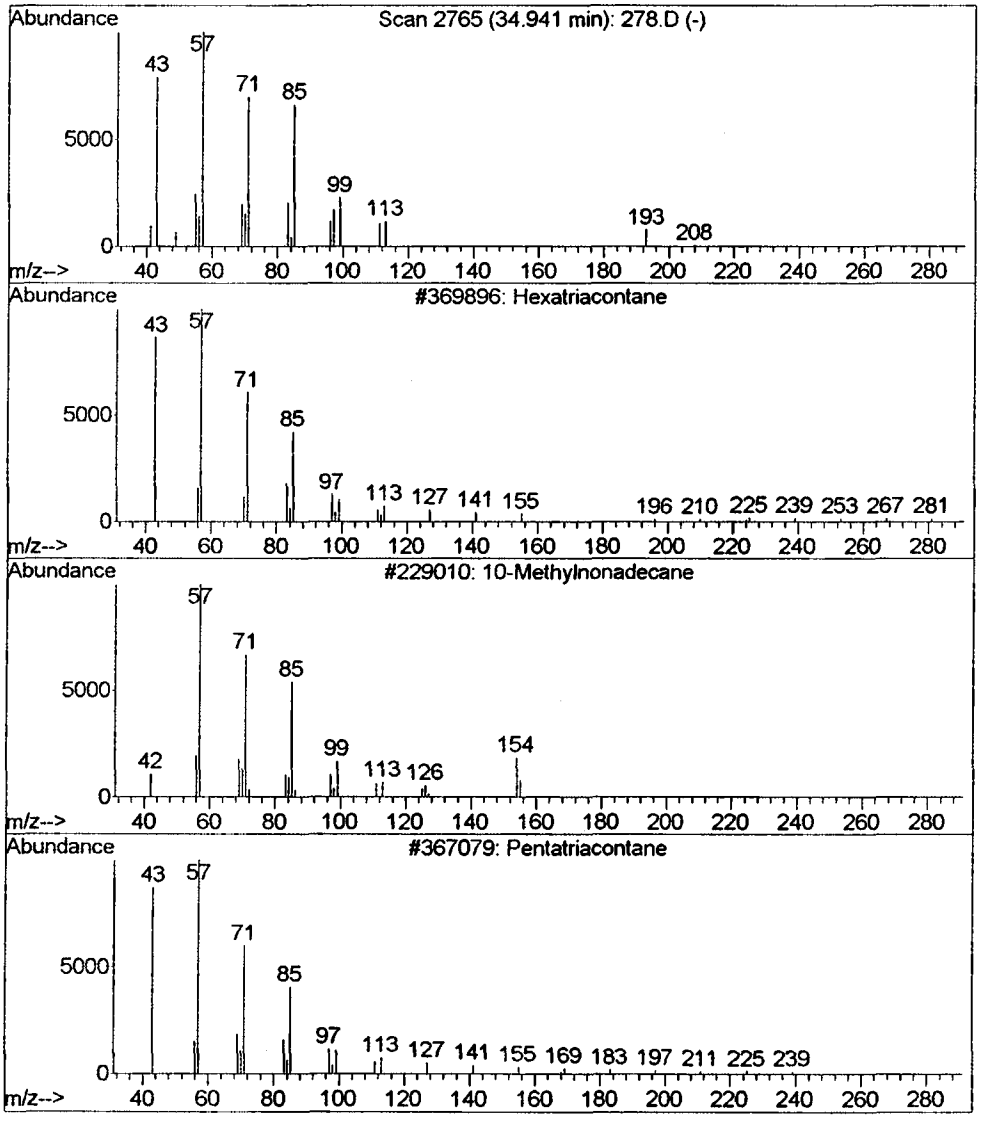
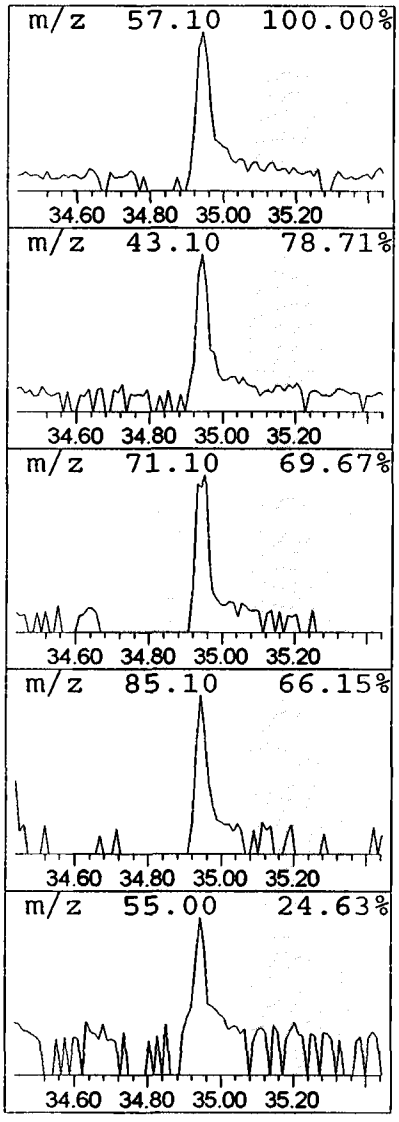
Peak Number 9 Hexatriacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.94	0.14 ug/L	110239	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	72
2	10-Methylnonadecane	282	C20H42	056862-62-5	72
3	Pentatriacontane	493	C35H72	000630-07-9	72
4	Triacontane	422	C30H62	000638-68-6	72





Data File : C:\MSDCHEM\1\5973N\02JAN09\278.D Vial: 3
Acq On : 9 Jan 2002 7:50 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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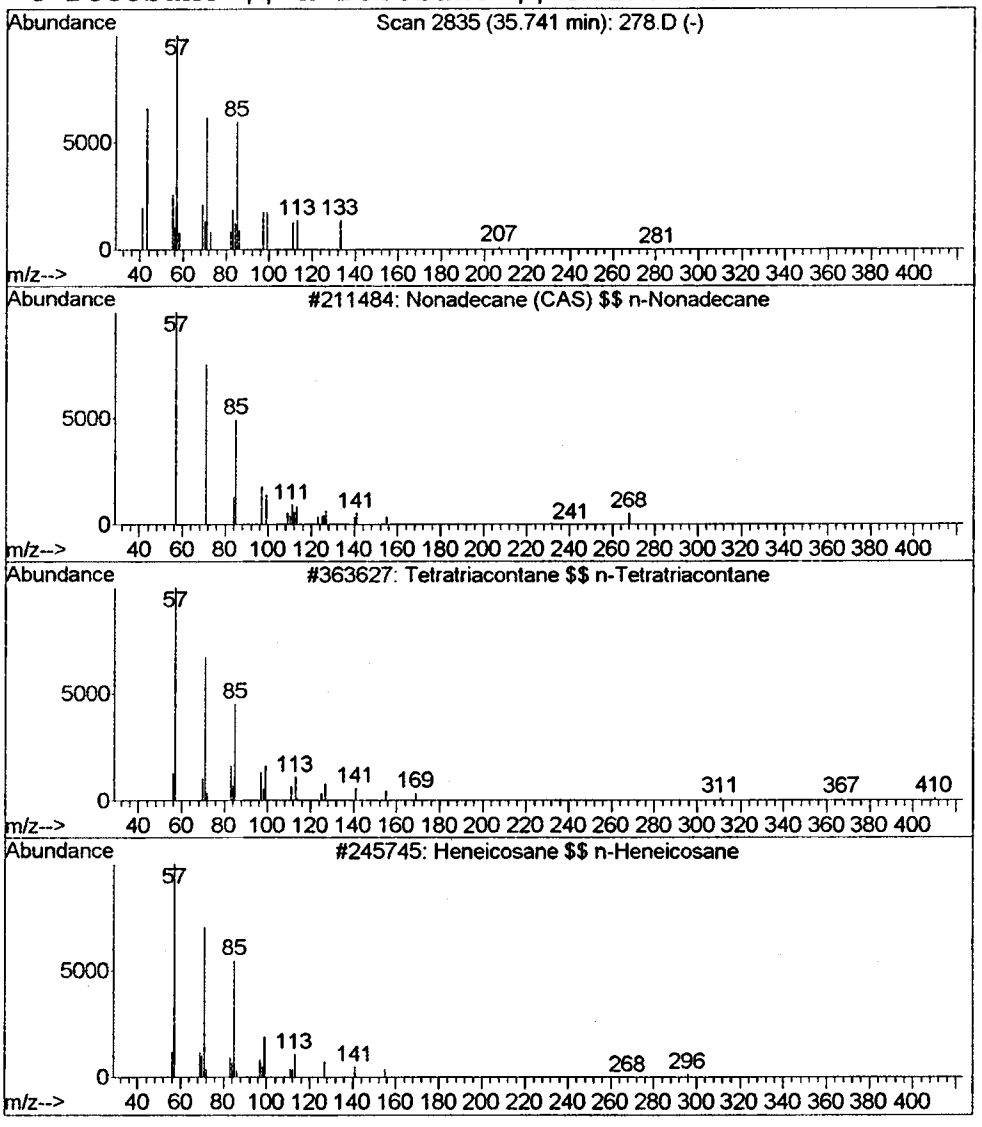
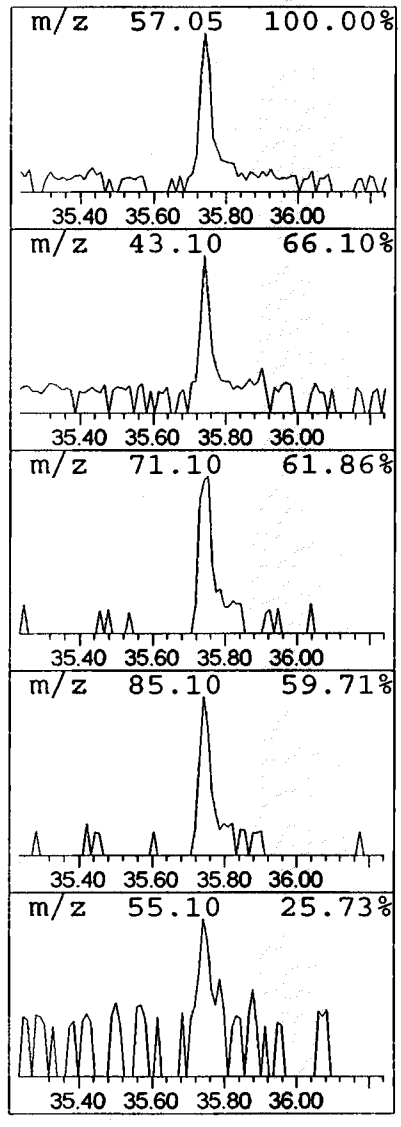
Peak Number 10 Nonadecane (CAS) $$ n-Nonad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.74	0.11 ug/L	88498	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane (CAS) $$ n-Nonadecane	268	C19H40	000629-92-5	72
2	Tetratriacontane $$ n-Tetratriac...	479	C34H70	014167-59-0	72
3	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	64
4	Docosane $$ n-Docosane $$ Normal...	310	C22H46	000629-97-0	64





Operator ID: Date Acquired: 9 Jan 2002 7:50 pm
Data File: C:\MSDCHEM\1\5973N\02JAN09\278.D
Name: 508 scan ext 1/7
Misc: January 9, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.48	0.2	ug/L	90819	1	9.72	9836660	20.0
2-Butenal, 3-meth...	4.84	0.2	ug/L	106061	1	9.72	9836660	20.0
Acetic acid, 3-[1...	5.89	4.4	ug/L	2186350	1	9.72	9836660	20.0
2-Propanone, 1,1,...	6.00	0.6	ug/L	287362	1	9.72	9836660	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	130434	4	22.63	17729500	20.0
p-Terphenyl-d14	27.54	0.1	ug/L	109947	5	30.50	18218100	20.0
Octadecane (CAS) ...	33.26	0.1	ug/L	104235	6	34.42	15784500	20.0
Heneicosane (CAS)...	34.12	0.2	ug/L	182977	6	34.42	15784500	20.0
Hexatriacontane	34.94	0.1	ug/L	110239	6	34.42	15784500	20.0
Nonadecane (CAS) ...	35.74	0.1	ug/L	88498	6	34.42	15784500	20.0

Comments for Sample AE00278 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:21:19

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.